QE
1
M125

ACTA GEOLOGICA

(REM CRYSTALLOGRAPHICAM, MINERALOGICAM, PETROGRAPHICAM, GEOCHIMICAM PALAEONTOLOGICAMQUE INCLUDENTIA)

ACADEMIAE SCIENTIARUM HUNGARICAE

REDIGIT

E. SZÁDECZKY-KARDOSS

TOMUS XVII

AKADÉMIAI KIADÓ, BUDAPEST
1973

214

ACTA GEOLOGICA

TOMUS XVII

INDEX

Fasc. 1—3.

Foreword 1
Széky-Fux, V.: Elemér Szádeczky-Kardoss Celebrates his 70th Anniversary 3
Széky-Fux, V.: Selected Publication of E. Szádeczky-Kardoss 7

SEDIMENTARY GEOLOGY – SEDIMENTARY PETROLOGY

Dank, V.: Scientific Background for the Solution of Some Hydrocarbon Exploration Problems in Hungary 15
Вициан, И.: Попытка реконструкции додиагенетического состава глинистых минералов осадочных пород математическими логическими методами 27

GEOCHEMISTRY

Csalagovits, I.: Stratigraphically Controlled Triassic Ore Mineralisation. A Genetic Model Based on Hungarian Geochemical Investigations 3
Földvári-Vogl, M.: Applicability of the Geochemical Indicatory Elements in the Light of Investigations in Hungary 49
Vető, I.: Minor Elements in Upper Pliocene Lignits (NE-Hungary) 55

ENDOGENE PETROLOGY

Árkai, P.: Pumpellyite—Prehnite—Quartz Facies Alpine Metamorphism in the Middle Triassic Volcanogenic-Sedimentary Sequence of the Bükk Mountains, Northeast Hungary 67
Perlaki, I. E.—Gy. Szöőr: The Perlites of the Tokaj Mountains 85

EXPERIMENTAL PETROLOGY

Kubovics, I.: Effect of Aggregates on the Melting of Magmatite and on the Viscosity and Crystallization of the Melt 107
Pesty, L.—O. Tomschey: Formation of Keatite and Andalusite-X as a Result of the High PT Transformation of Kaolinite 121
Tomschey, O.: Preliminary Report on the Investigation of Kaolinite at Elevated Pressures and Temperatures 135

PLATE TECTONICS AND STRUCTURAL GEOLOGY

Bárdossy, Gy.: Bauxite Formation and Plate Tectonics 141
Zelenka, T.: New Data on the Darnó Megatectonic Zone 155

GEONOMY AND SOCIETY

Szádeczky-Kardoss, E.: Geonomy and Society 163
Balogh, K.: World-Concept-Forming Role of the Renewal of the Stratigraphical and Paleogeographical Approach 177

Barta, Gy.: Social Effects of the Recent Geophysical Way of Looking upon Society and Geonomy ... 183
Béll, B.: Zusammenhang zwischen der Entwicklung der Gesellschaft und der meteorologischen Forschung ... 187
Földvári-Vogl, M.: On the Role of Geochemical Research in the Development of Technology and Agriculture ... 195
Homoródi, L.: Photogrammetry, Settlement-Development, Protection of Environment 201
Kretzoi, M.: Interactions of Geonomy and Bionomy ... 205
Martos, F.: Some Rock Mechanical and Blasting Technical Problems Associated with Large Underground Blasting ... 213
Nemecz, E.: Relationship between Man's Natural Activities and the Surfacial Distribution of Clay Minerals ... 221
Pantó, G.: Interaction of Material- and Effect-Sciences in the Geonomical Intuition 227
Pécsi, M.: Geographical Problems of Environment Research ... 233
Rácz, D.: Research and Development in the Hydrocarbon Industry ... 243

Fasc. 4

PETROLOGY, EXPERIMENTAL PETROLOGY, MINERALOGY

Vendel, M.: Studie über den initialen Magmatismus ... 251
Kubovics, I.: Effect of Different Aggregates on the Crystallization of Microandesite- and Alveolar Andesite Melt ... 287
Rehim, Abdel, A.: Autoclave Leaching of some Economic Minerals ... 307
Singh, A. K.—A. Vértes: Mössbauer and X-ray Investigation of Pyrrhotite, Sphalerite and Mangano-Siderite from Rózsa-Mine, Nagybörzsöny ... 319
Zaridze, G. M.—N. P. Tatrishvili—M. B. Abesadze: Metamorphic Facies of the Caucasus ... 327

GEOCHEMISTRY

Hesp, W. R.: Classification of Igneous Rocks by Cluster Analysis ... 339
Лавренчук, В. Н.—Бент, О. И.: Галлий в бокситах разных генетических и минералогических типов ... 363
Manheim, F. T.: Red Sea Hot Brine — Metal Deposits ... 383

STRATIGRAPHY AND GEOTECTONICS

Балла, З.: О возрасте «свиты элигенэ» Восточной Монголии ... 391
Boccaletti, M.: Hypothèses sur l'évolution géodynamique de la Méditerranée occidentale et des arcs de l'Apennin ... 411
Géczy, B.: Plate Tectonics and Paleogeography in the East-Mediterranean Mesozoic 421
Jámbor, Á.—M. Korpás-Hódi: Möglichkeiten für die Horizontierung der pannonischen Ablagerungen im Südost-Vorland des Transdanubischen Mittelgebirges ... 429
El-Shinnawi, M. A.—I. Z. Sultan: Lithostratigraphy of Some Subsurface Upper Cretaceous Sections in the Gulf of Suez Area, Egypt ... 469

INDEX AUTORUM

Abesadze, M. B.
Árkai, P.

Балла, З.
Balogh, K.
Barta, Gy.
Bárdossy, Gy.
Béll, B.
Бент, О. И.
Boccaletti, M.

Csalagovits, I.

Dank, V.

El-Shinnawi, M. A.

Földvári-Vogl, M.

Géczy, B.

Hesp, W. R.
Homoródi, L.

Jámbor, Á.

Kretzoi, M.
Korpás-Hódi, M.
Kubovics, I.

Лавренчук, В. Н.

Manheim, F. T.
Martos, F.

Nemecz, E.

Pantó, G.
Perlaki, E.
Pesty, L.
Pécsi, M.

Rehim, Abdel, A.
Rácz, D.

Singh, A. K.
Sultan, I. Z.
Szádeczky-Kardoss, E.
Széky-Fux, V.

Tatrishvili, N. P.
Tomschey, O.

Vendel, M.
Vető, I.
Vértes, A.
Вициан, И.

Zaridze, G. M.
Zelenka, T.